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| **ГОСТ 7786-81 : БОЛТЫ С ПОТАЙНОЙ ГОЛОВКОЙ И КВАДРАТНЫМ ПОДГОЛОВКОМ** http://www.metiz.net/files/catalog_images/7786.png?0 **мм**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Номинальный диаметр резьбы *d* | 5 | 6 | 8 | 10 | 12 | 16 | 20 |
| Диаметр головки *D* | 9 | 11 | 14 | 18 | 23 | 28 | 35 |
| Высота головки и подголовка *k* (js 16) | 4 | 5 | 6 | 8 | 10 | 12 | 15 |
| Сторона квадратного подголовка *V* | 5 | 6 | 8 | 10 | 12 | 16 | 20 |
| Длина резьбы *b* | Для *l* £ 120 | 16 | 18 | 22 | 26 | 30 | 38 | 46 |
| Для *l* > 120 | - | - | - | 32 | 36 | 44 | 52 |

 Пример условного обозначения болта с диаметром резьбы d = 12 мм, с крупным шагом резьбы с полем допуска 8g, длиной l = 60 мм, класса прочности 3.6, с цинковым покрытием, толщиной 6 мкм, нанесенным способом катодного восстановления, хроматированным: *Болт M12х60.36.016 ГОСТ 7786-81* **мм**

|  |  |
| --- | --- |
| Длина болта, *l*, мм | Теоретическая масса 1000 шт. болтов, кг, при номинальном диаметре резьбы *d*, мм |
| 5 | 6 | 8 | 10 | 12 | 16 | 20 |
| 20 | 2,908 | - | - | - | - | - | - |
| 25 | 3,498 | 5,240 | 9,66 | 16,40 | - | - | - |
| 30 | 4,080 | 6,086 | 11,20 | 18,84 | 30,19 | - | - |
| 35 | 4,678 | 6,932 | 12,74 | 21,28 | 33,73 | - | - |
| 40 | 5,268 | 7,777 | 14,28 | 23,72 | 37,27 | 71,71 | - |
| 45 | 5,859 | 8,621 | 15,81 | 26,16 | 40,81 | 78,04 | - |
| 50 | 6,448 | 9,466 | 17,35 | 28,61 | 44,35 | 84,37 | 131,7 |
| 55 | 7,038 | 10,311 | 18,89 | 31,05 | 47,89 | 91,09 | 141,9 |
| 60 | 7,628 | 11,156 | 20,43 | 33,49 | 51,43 | 97,62 | 152,1 |
| 65 | 8,218 | 12,001 | 21,97 | 35,93 | 54,97 | 104,15 | 162,3 |
| 70 | 8,808 | 12,845 | 23,51 | 38,38 | 58,51 | 110,67 | 172,6 |
| 75 | 9,399 | 13,690 | 25,05 | 40,82 | 62,05 | 117,20 | 182,8 |
| 80 | 9,989 | 14,535 | 26,59 | 43,26 | 65,59 | 123,73 | 193,1 |
| 90 | - | 16,225 | 29,67 | 48,27 | 72,67 | 136,78 | 213,5 |
| 100 | - | - | 32,75 | 56,08 | 79,75 | 149,84 | 234,0 |
| 110 | - | - | - | 58,04 | 86,83 | 162,89 | 254,5 |
| 120 | - | - | - | 62,92 | 93,91 | 175,94 | 274,9 |
| 130 | - | - | - | 67,81 | 100,99 | 188,10 | 295,4 |
| 140 | - | - | - | 72,69 | 108,07 | 202,05 | 315,9 |
| 150 | - | - | - | 77,58 | 115,15 | 215,11 | 336,3 |
| 160 | - | - | - | - | 122,23 | 228,16 | 356,8 |
| 170 | - | - | - | - | 129,31 | 241,21 | 377,3 |
| 180 | - | - | - | - | 136,39 | 254,26 | 397,7 |
| 190 | - | - | - | - | 143,47 | 267,31 | 418,2 |
| 200 | - | - | - | - | 150,55 | 280,36 | 438,7 |

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